

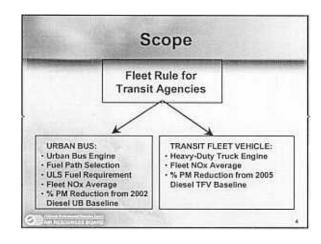
Health Impacts of Diesels in California

- Annual health impacts
 - -2,900 premature deaths
 - -3,600 hospital admissions
 - -240,000 asthma attacks/respiratory symptoms
 - -600,000 lost days of work
- By comparison
 - -3,700 deaths from car accidents
 - -2,000 homicides

Why Reduce In-use Diesel Emissions? Diesel Engines are Long Lived New Engine Standards Offer Long Term Reductions In-use Emission Rules Provide Near-Term Reductions

Control Technology is Available

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New Requirements: Who Will it Affect? • Public Transit Agencies - Cities, counties, MTAs, JPAs, Councils of Government - Operating vehicles not defined as "urban bus" - Newly formed agencies



Proposed Changes to Fleet Rule for Transit Agencies

- · Move to New Sections
- · Add "Newly Formed" Transit Agency
- Increase Flexibility in Meeting Urban Bus PM Reductions
- · Add Transit Fleet Vehicle Regulations
 - "Transit Fleet Vehicle" Definition
 - NOx and PM Fleet Requirements
 - Reporting Requirements

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Changes Since May

- · Change "Transit Fleet Vehicle" Definition
- · Add Definition of "Commuter Service Bus"
- · Add Definition of "Transit Fleet"
- · Add UB NOx requirement for New Agency
- · Change NOx Average Compliance Date
- · Change PM reduction % and deadlines

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Engine Certification

Engine certification based on Intended Service Class - 40 CFR Chapter 1, Part 86, Subchapter C,Subpart A 86.085-2

- Heavy-duty (HD) engine is used in a heavy-duty vehicle >6,000 gvw
 - -Light HD <19,500 avw
 - -Medium HD 19,500-33,000 gvw
 - -Heavy HD >33,000 gvw

O married to the same

"Commuter Service Bus"

- Powered by a heavy HD diesel engine or of a type normally powered by a heavy HD
- Operates on a fixed route primarily during peak commute hours
- · No passenger-initiated stops
- No more than 5 stops per scheduled route and two round trips per day to and from the same destination
- Operates one-way in the morning and opposite way in the afternoon

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"Transit Fleet"

"Transit Fleet" means the total of a transit agency's urban buses and transit fleet vehicles, excluding emergency contingency vehicles.

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"Transit Fleet Vehicle"

"Transit Fleet Vehicle" means a vehicle greater than 8,500 gross vehicle weight, powered by heavy-duty diesel engine or of a type normally powered by a heavy-duty diesel engine, owned or operated by a transit agency, and which is not an urban bus.

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Extensions

- · Financial Hardship
 - Section 2023(e)
 - 20 in transit fleet
- · Unavailability of Technology for PM
 - Section 2023(f)
- · Delay of Implementation for PM
 - Section 2023(g)
 - 20 in transit fleet in 1 hour Ozone attainment

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New Agency - Urban Bus Nox Requirement -4.0 g/bhp-hr, or the NOx average of the active fleet of the TA from which it is formed, whichever is lower. • PM Requirement

-Same baseline as formation TA

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Transit Fleet Vehicle: Proposed NOx Requirements

- NOx Fleet Average Reduction
 - 3.2 g/bhp-hr in 2007
 - 2.4 g/bhp-hr in 2010
 - · Based on engine certification
 - Implementation date changed from January 1 to December 31
 - -Retirement option dates changed

Transmission of

Transit Fleet Vehicles: Proposed PM Requirements

- Total PM Reduction
 - -Baseline January 1, 2005
 - Same method as for Urban Buses; diesel fuel only
- · Implementation Schedule:
 - -40% reduction by 12/31/2007
 - -80% reduction by 12/31/2010, or average of 0.01 g/bhp-hr PM

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Compliance Deadlines | **PM | reduction | Fleet | Floor | Floor | Fleet | Floor | Flo

	orts due January 31s 006 through 2016	t
** T. CO (1) (1) (*C)	For all TFV - vehicle MY, engine MY & model, fuel used	
In addit	lion:	
2006	Plans for meeting 2007 NOx Ave., 2005 PM Baseline	
2008	12/31/2007 NOx Ave. and PM Reduction	
2009	Plans for meeting 2010 NOx Ave.	
2011	12/31/2010 NOx Ave. and PM Reduction	

Public Process

- · 1st Public Workshop 04/03/03
- · 2nd Public Workshops
 - 12/2/03 (El Monte); 12/3/03 (Sacramento)
- · 3rd Public Workshops
 - -5/17/04 (Sacramento); 5/18/04 (El Monte)
- · 4th Public Workshops
 - 10/7/04 (El Monte); 10/8/04 (Sacramento)
- · Comments Requested by 10/26/04
- . Board Hearing January 2005

COMMENTS REQUESTED

- · E-Mail To:
 - -Kathleen Mead, kmead@arb.ca.gov
 - Please cc: Nancy Steele, nsteele@arb.ca.gov
- Or Mail To: 1001 | Street, P.O. Box 2815, Sacramento, CA 95812
- · Or Fax To: (916) 322 3923

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